

CLAIMS

1. A method of operating a wind power installation comprising an electric generator drivable by a rotor for supplying electrical power to an electrical network (6), in particular its connected consumers (8), characterised in that the power supplied to the network (6) by the generator is regulated in dependence on an electrical voltage applied to the network (6).

2. A method as set forth in claim 1 characterised in that the power which is supplied by the generator and fed into the network (6) is regulated in dependence on an electrical voltage applied at the network feed-in point (21).

3. A method as set forth in claim 1 and/or 2 characterised in that the supplied power is regulated by the electrical voltage produced being regulated to a desired reference value ( $U_{ref}$ ).

4. A method as set forth in claim 3 characterised in that the electrical voltage is produced in the form of ac voltage at a predeterminable frequency.

5. A method as set forth in claim 4 characterised in that the predeterminable frequency substantially corresponds to the network frequency.

6. A wind power installation, in particular for carrying out a method as set forth in one of the preceding claims, comprising a rotor (4) and an electric generator coupled to the rotor (4) for supplying electrical power to an electrical network (6), characterised by a regulating device having a voltage sensor for sensing an electrical voltage applied to the network (6) so that the power supplied to the network (6) by the generator can be regulated in dependence on the voltage sensed by the voltage sensor.

7. A wind power installation as set forth in claim 6 characterised in that the regulating device has a microprocessor.

8. A method of operating an energy-generating apparatus comprising an electric generator for supplying electrical power to an electrical network, in particular that of the connected consumers, wherein the power generated fluctuates, characterised in that the power supplied to the network by the generator is regulated in dependence on an electrical voltage applied to the network.